

2016_MEINTER_motordrive

```
//2016 University of Idaho
//Team MEINTER
//Coded by Hunter Fillmore
//
//This a stepper motor through an a4988 stepper motor driver.
//Ms1~3 are step size pins, configurations are available on board manufacturers
website.
//Dirpin high is for advancing the linear stage the motor is attached to, low is for
reversing.

const int Ms1 = 1;
const int Ms2 = 2;
const int Ms3 = 3;
const int stepPin = 4;
const int dirPin = 5;

void setup() {

    pinMode(1,OUTPUT);
    pinMode(2,OUTPUT);
    pinMode(3,OUTPUT);
    pinMode(4,OUTPUT);
    pinMode(5,OUTPUT);
    digitalWrite(Ms1,LOW);
    digitalWrite(Ms2,HIGH);
    digitalWrite(Ms3,LOW);
    digitalWrite(dirPin,HIGH);
}
void loop() {

    digitalWrite(stepPin,HIGH);
    delayMicroseconds(500);
    digitalWrite(stepPin,LOW);
    delayMicroseconds(500);

}
```